OIPE
JUN 29 2004
PATENT & TRADEMARK OFFICE

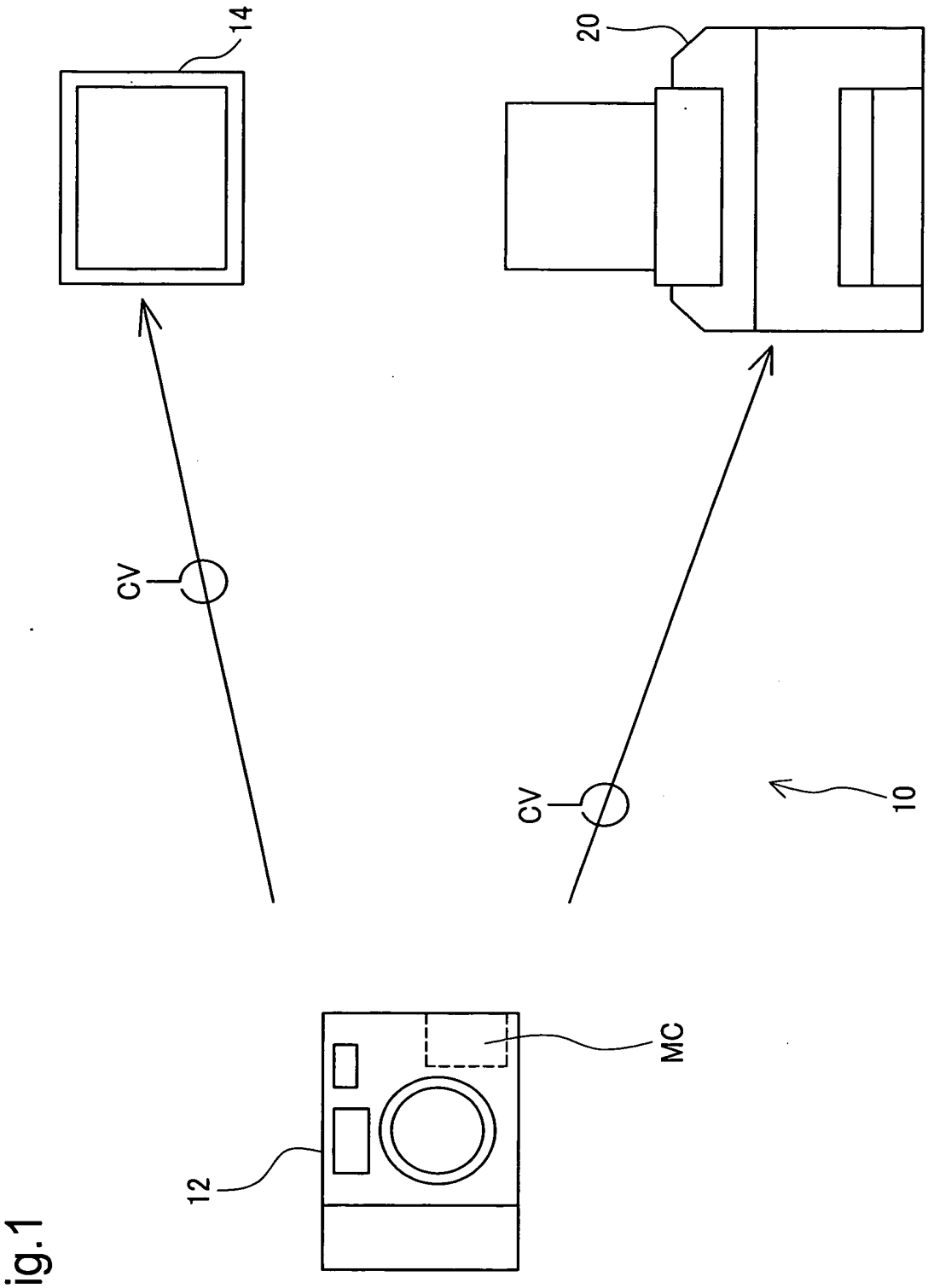


Fig.1

Fig.2

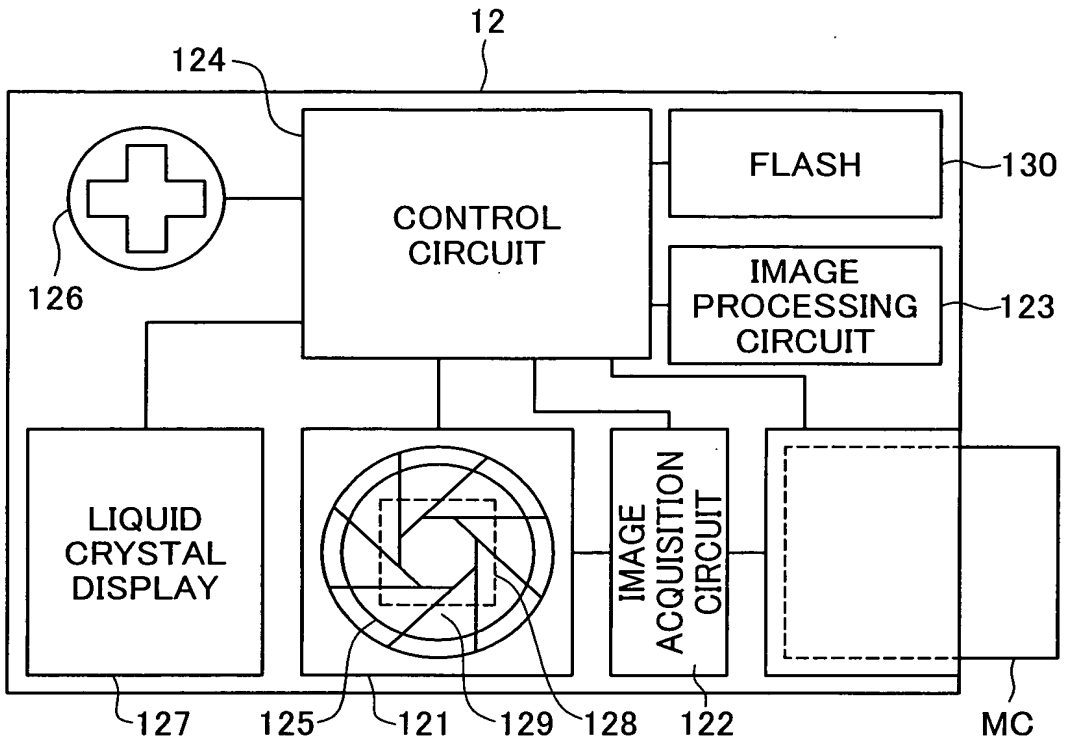

12
124
CONTROL CIRCUIT
FLASH
130
IMAGE PROCESSING CIRCUIT
123
126
LIQUID CRYSTAL DISPLAY
IMAGE ACQUISITION CIRCUIT
127
125
121
129
128
122
MC

Fig.3

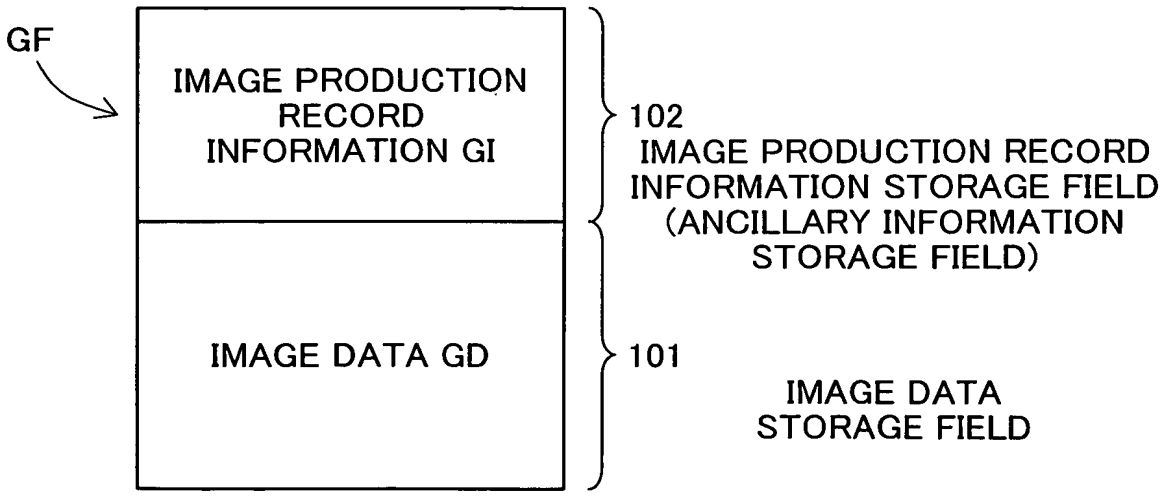

GF
IMAGE PRODUCTION RECORD INFORMATION GI
IMAGE DATA GD
102
IMAGE PRODUCTION RECORD INFORMATION STORAGE FIELD (ANCILLARY INFORMATION STORAGE FIELD)
101
IMAGE DATA STORAGE FIELD

Fig.4

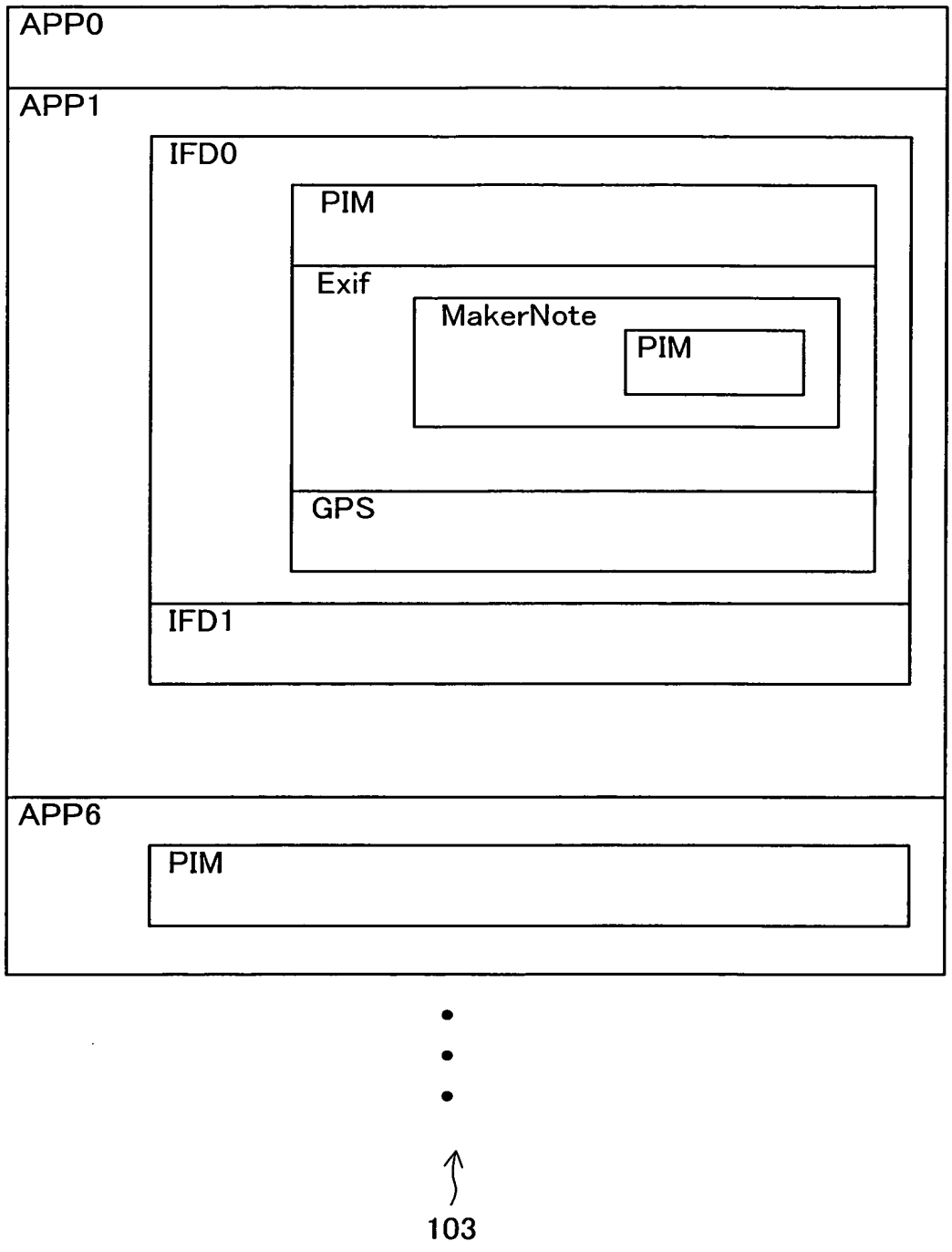


Fig.5

TAGS	PARAMETER VALUES
SUBJECT AREA	・SUBJECT POSITION ・AREA OF SUBJECT
EXPOSURE PROGRAM	NORMAL
PHOTOGRAPH SCENE	STANDARD
APERTURE VALUE	F8
ISO SPEED RATE	100

Fig.6

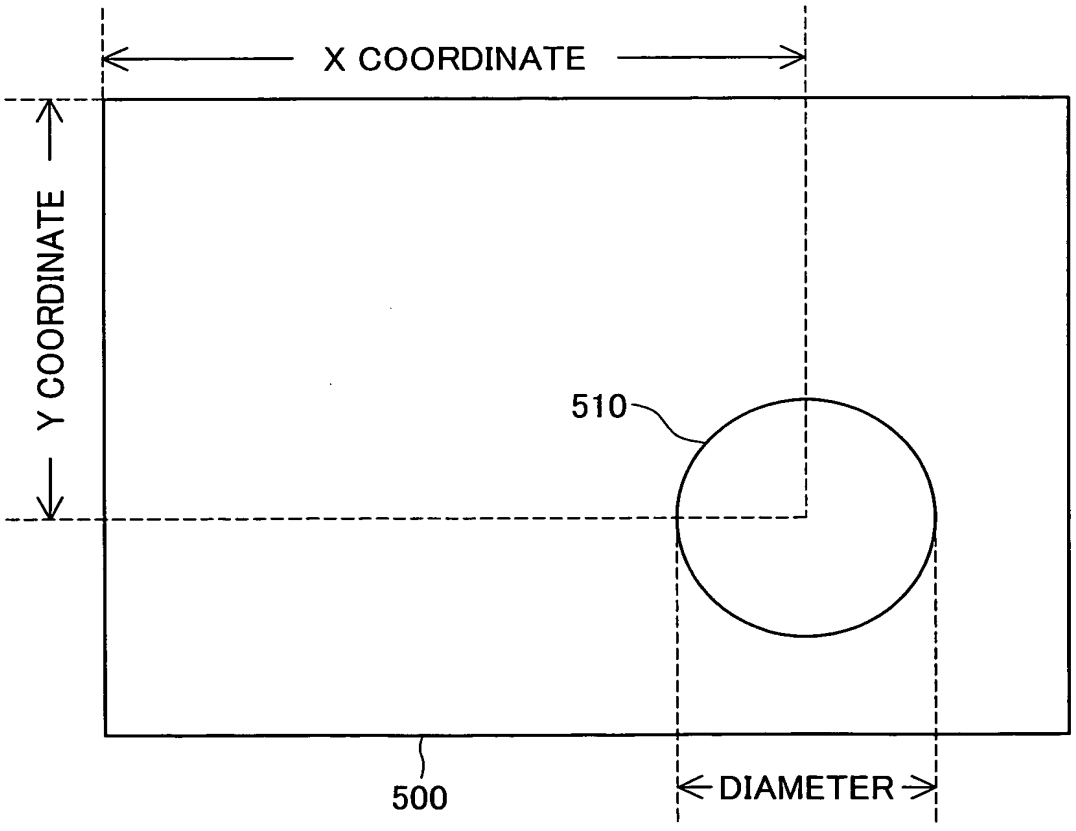


Fig.7

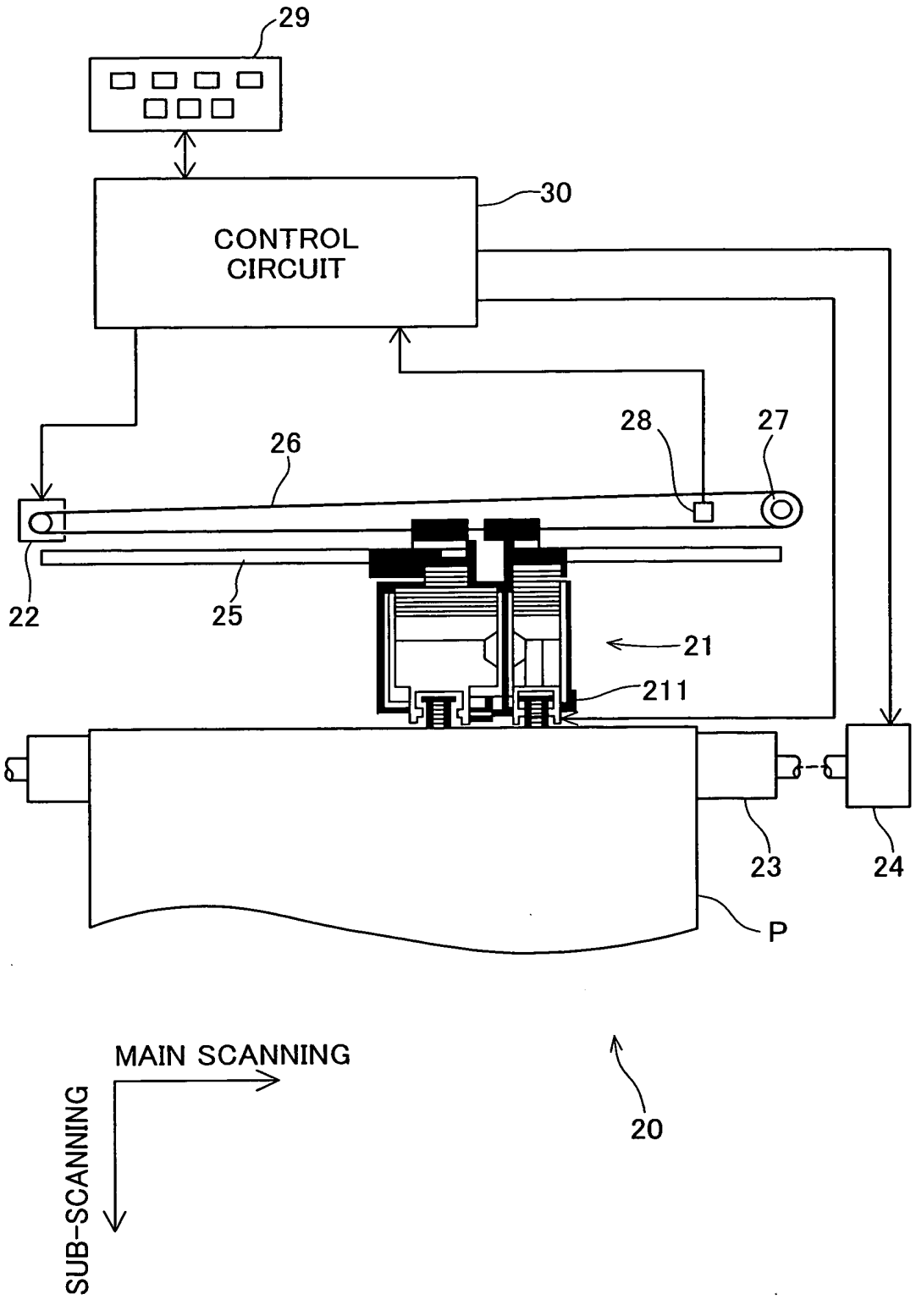

29
30
CONTROL CIRCUIT
28
27
26
22
25
21
211
23
24
P
MAIN SCANNING
SUB-SCANNING
20

Fig.8

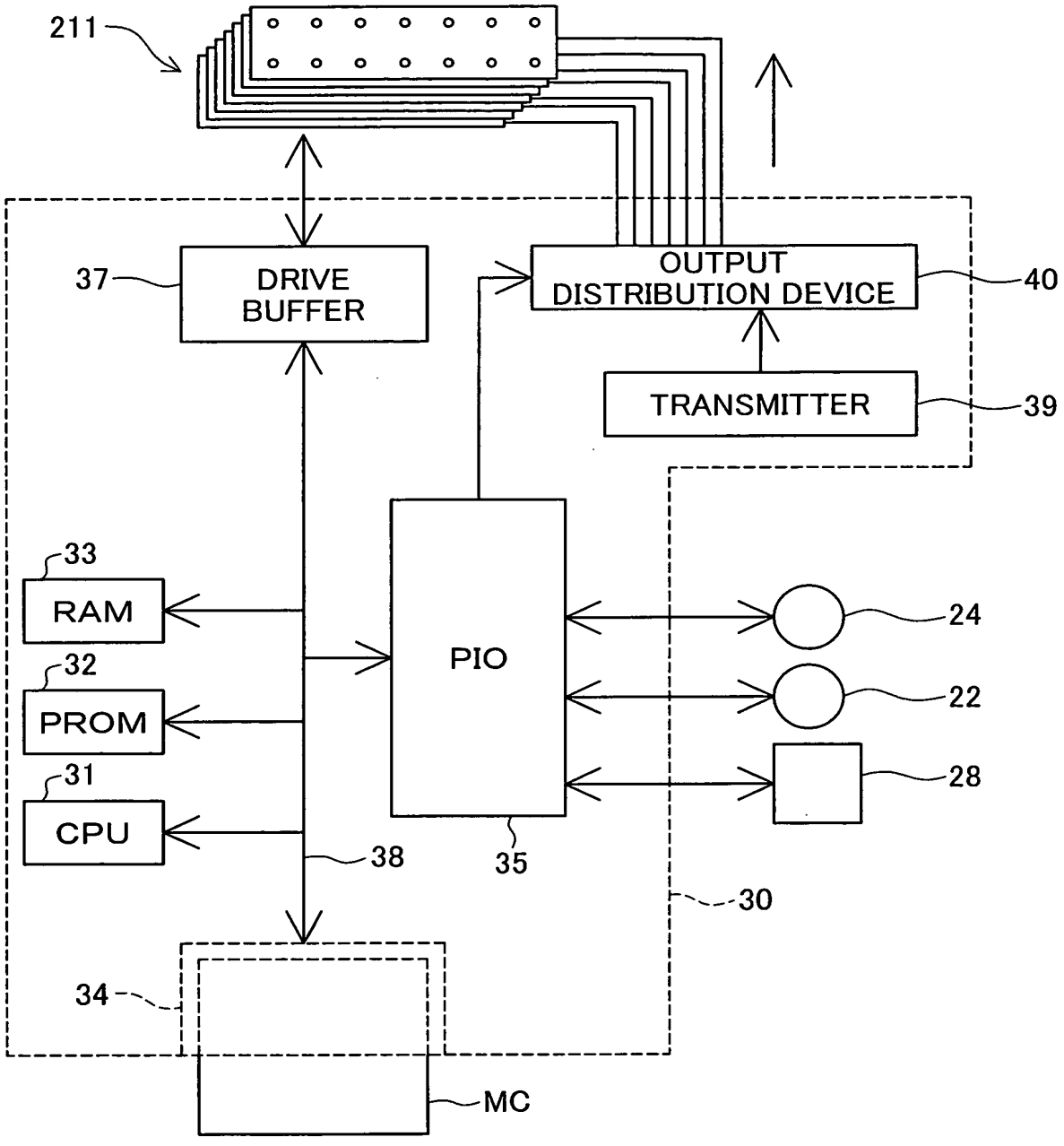

211
37
DRIVE BUFFER
OUTPUT DISTRIBUTION DEVICE
40
TRANSMITTER
39
33
RAM
32
PROM
31
CPU
PIO
24
22
28
38
35
30
34
MC

Fig.9

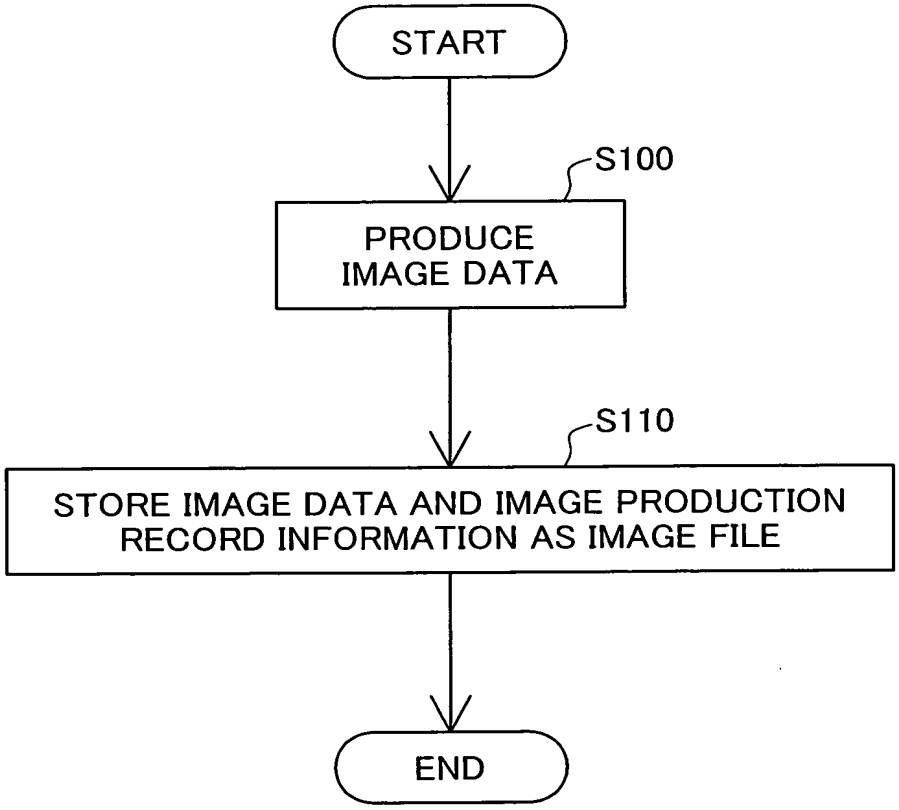

START
S100
PRODUCE IMAGE DATA
S110
STORE IMAGE DATA AND IMAGE PRODUCTION RECORD INFORMATION AS IMAGE FILE
END

Fig.10

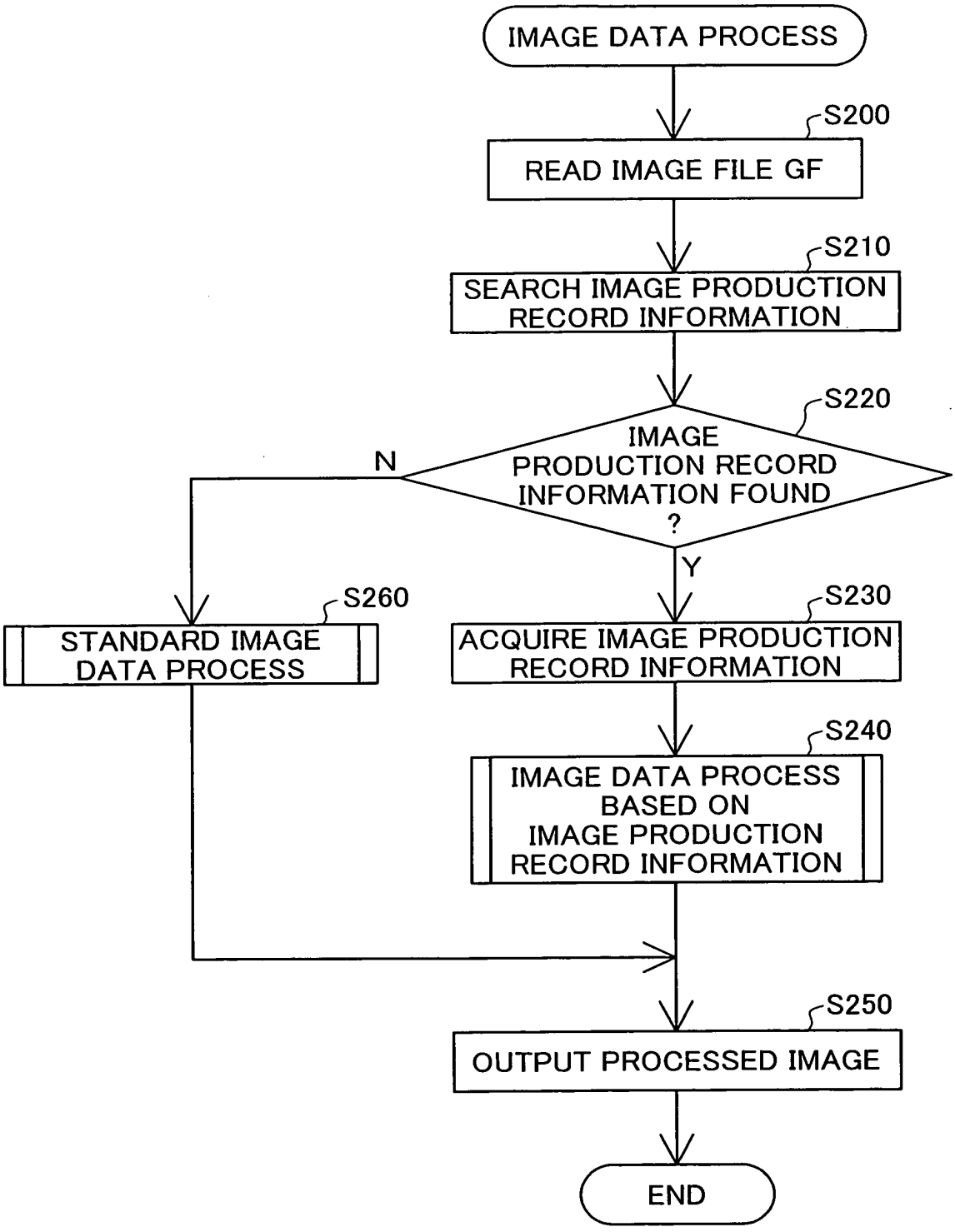


IMAGE DATA PROCESS
S200
READ IMAGE FILE GF
S210
SEARCH IMAGE PRODUCTION RECORD INFORMATION
S220
IMAGE PRODUCTION RECORD INFORMATION FOUND ?
N
Y
S260
STANDARD IMAGE DATA PROCESS
S230
ACQUIRE IMAGE PRODUCTION RECORD INFORMATION
S240
IMAGE DATA PROCESS BASED ON IMAGE PRODUCTION RECORD INFORMATION
S250
OUTPUT PROCESSED IMAGE
END

Fig.11

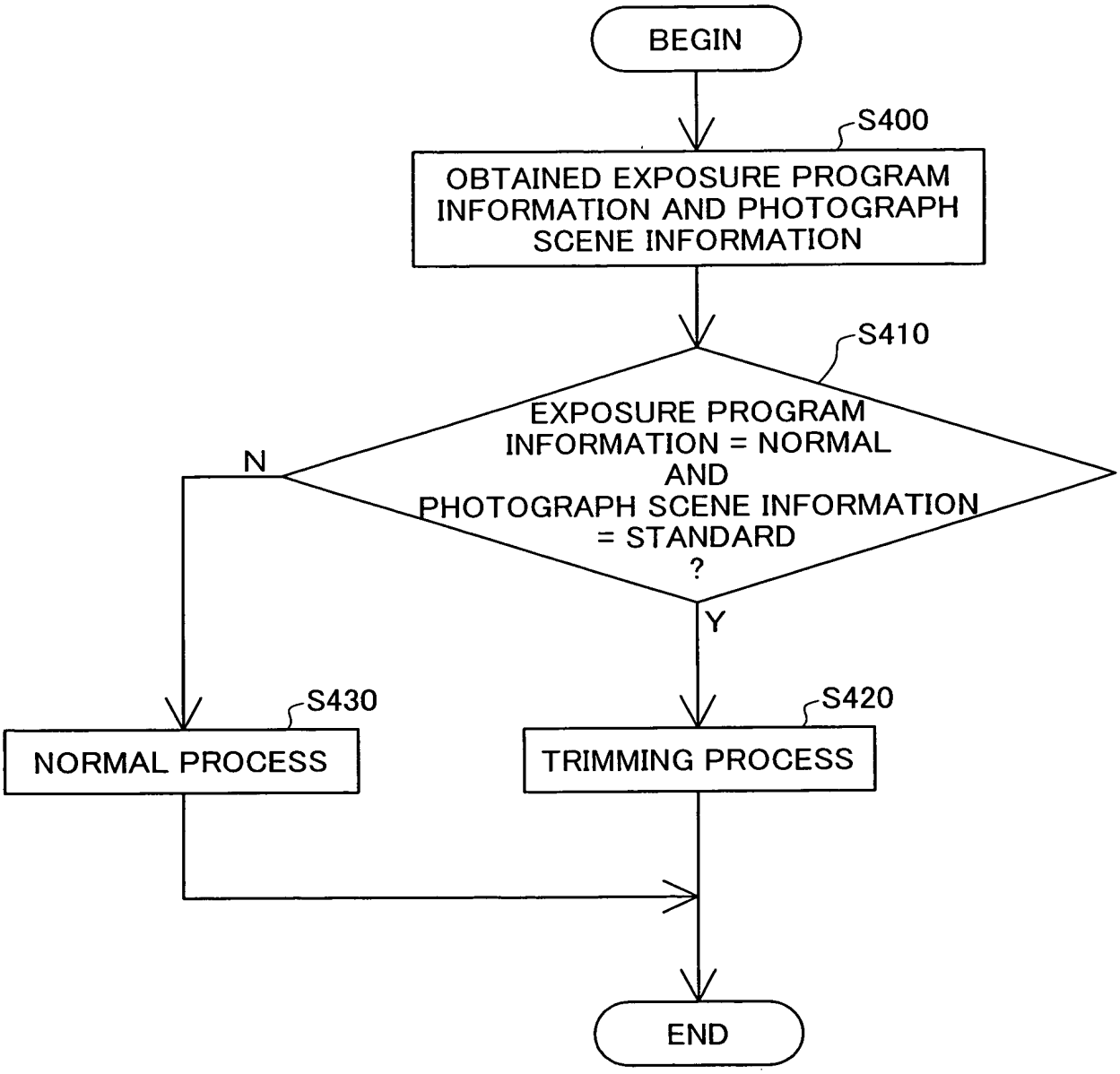
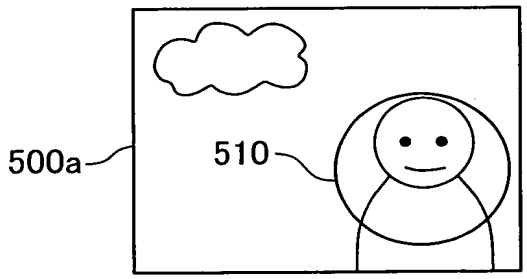

BEGIN
S400
OBTAINED EXPOSURE PROGRAM INFORMATION AND PHOTOGRAPH SCENE INFORMATION
S410
EXPOSURE PROGRAM INFORMATION = NORMAL AND PHOTOGRAPH SCENE INFORMATION = STANDARD ?
N
Y
S430
NORMAL PROCESS
S420
TRIMMING PROCESS
END

Fig.12(A)



ENLARGE/REDUCE

Fig.12(B)

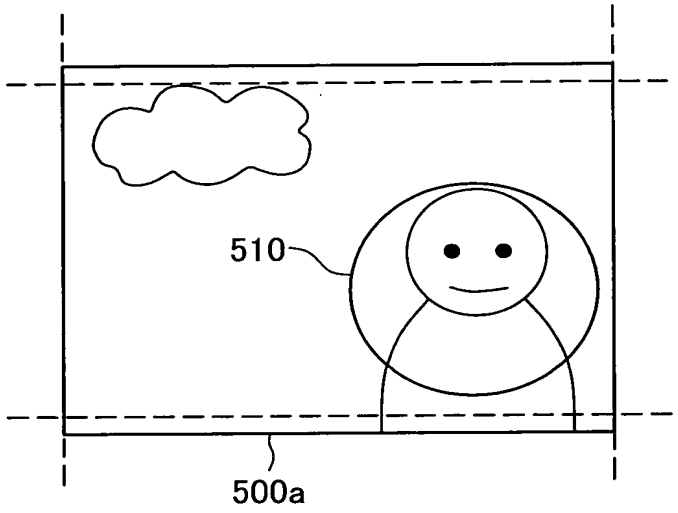


Fig.12(C)

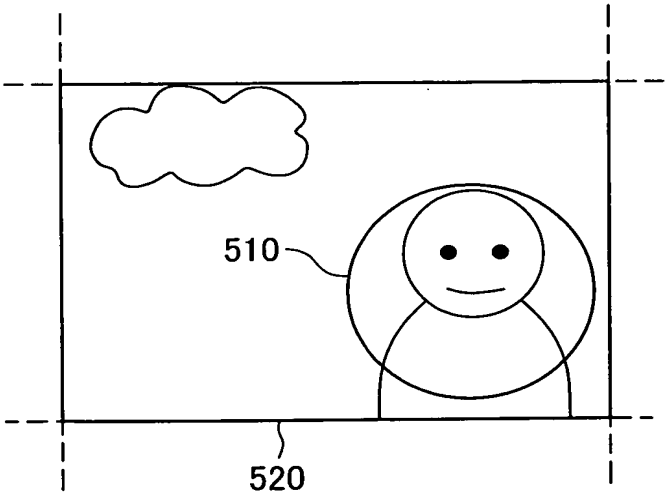
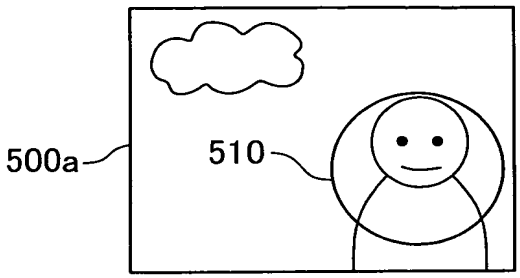


Fig.13(A)



ENLARGE/REDUCE

Fig.13(B)

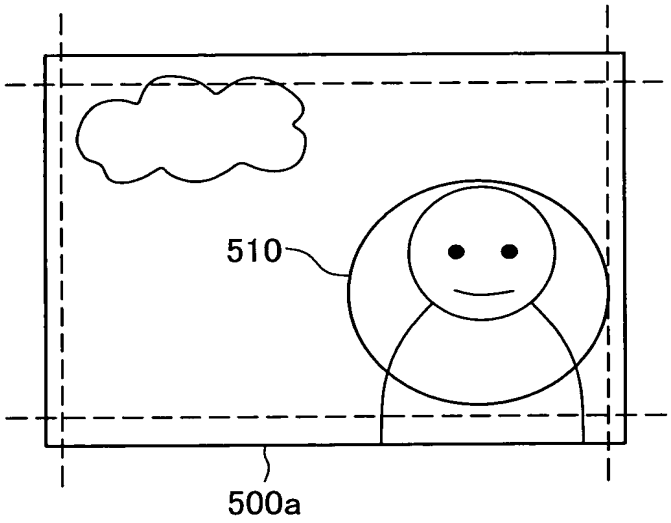


Fig.13(C)

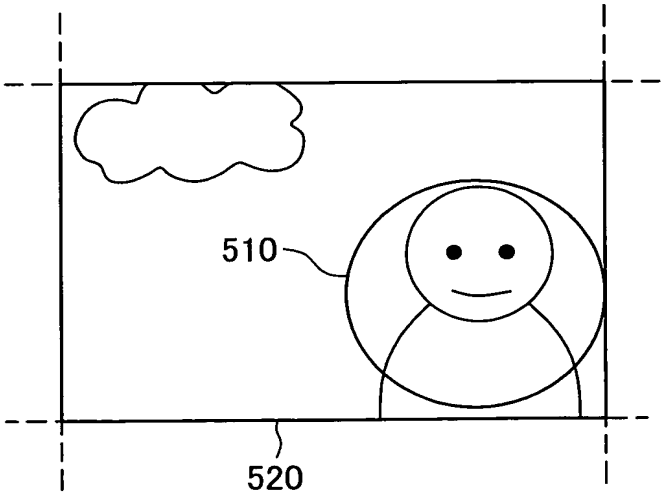
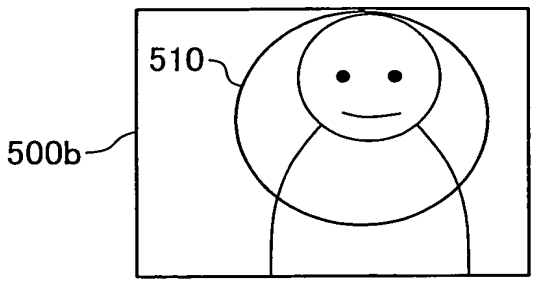


Fig.14(A)



ENLARGE/REDUCE

Fig.14(B)

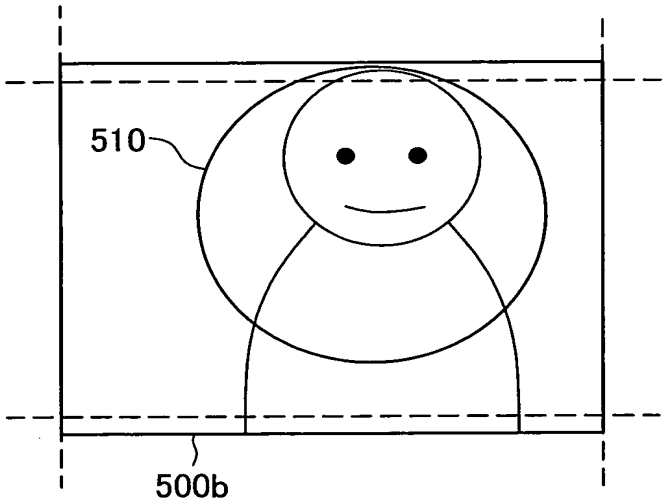


Fig.14(C)

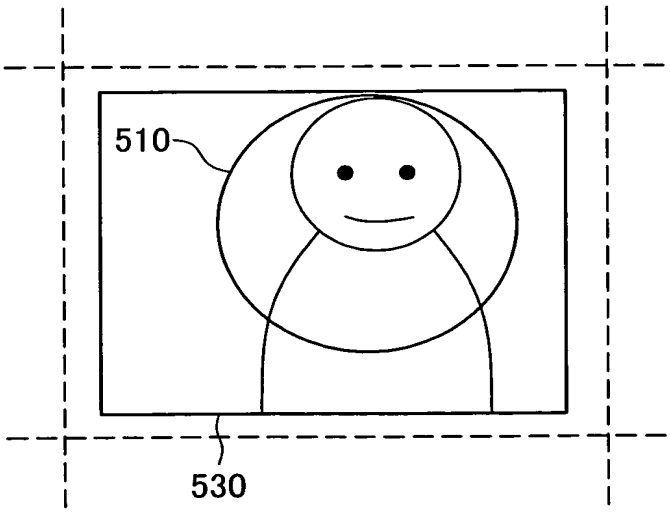
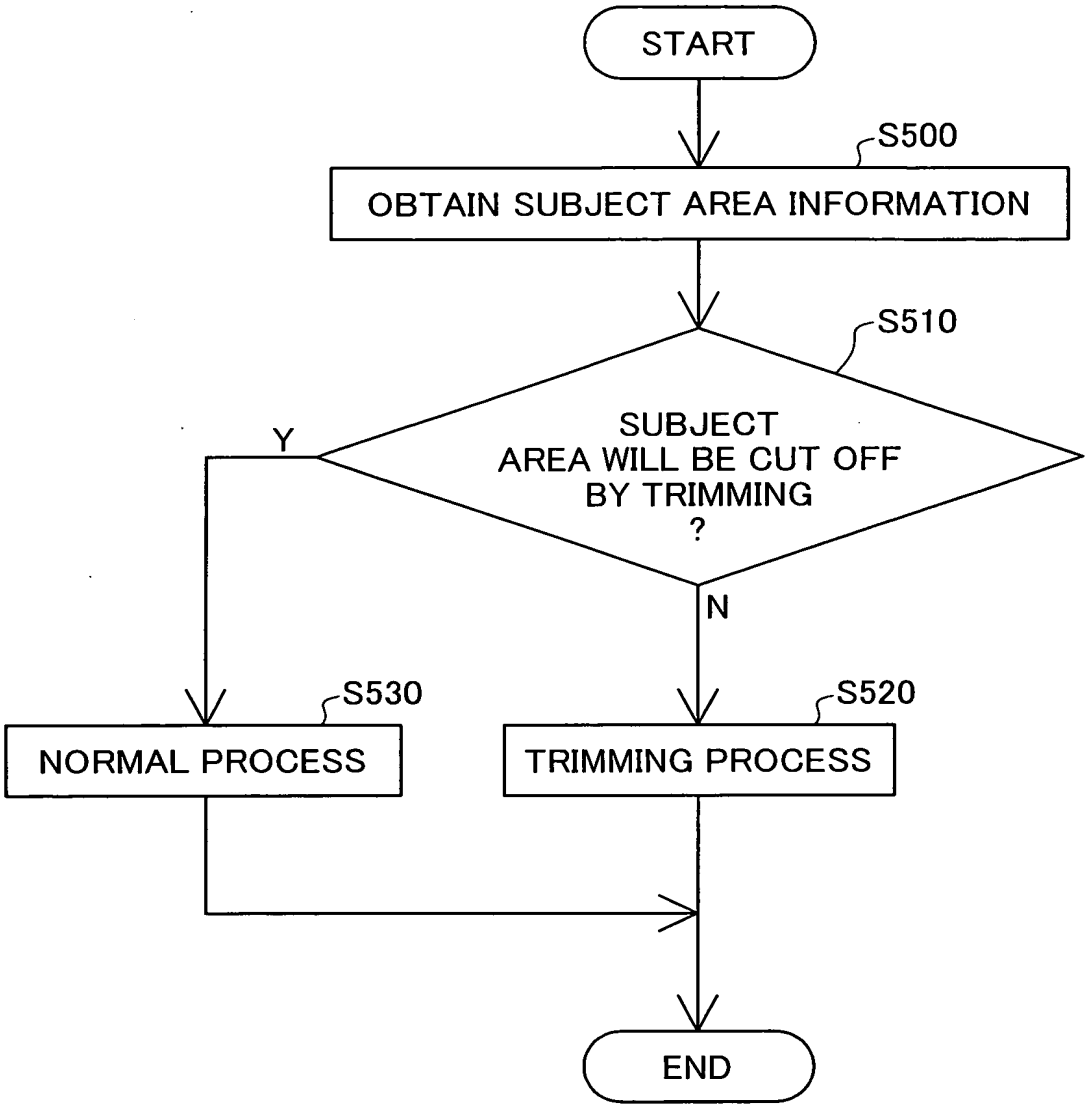


Fig.15


START
S500
OBTAIN SUBJECT AREA INFORMATION
S510
SUBJECT AREA WILL BE CUT OFF BY TRIMMING ?
Y
N
S530
NORMAL PROCESS
S520
TRIMMING PROCESS
END

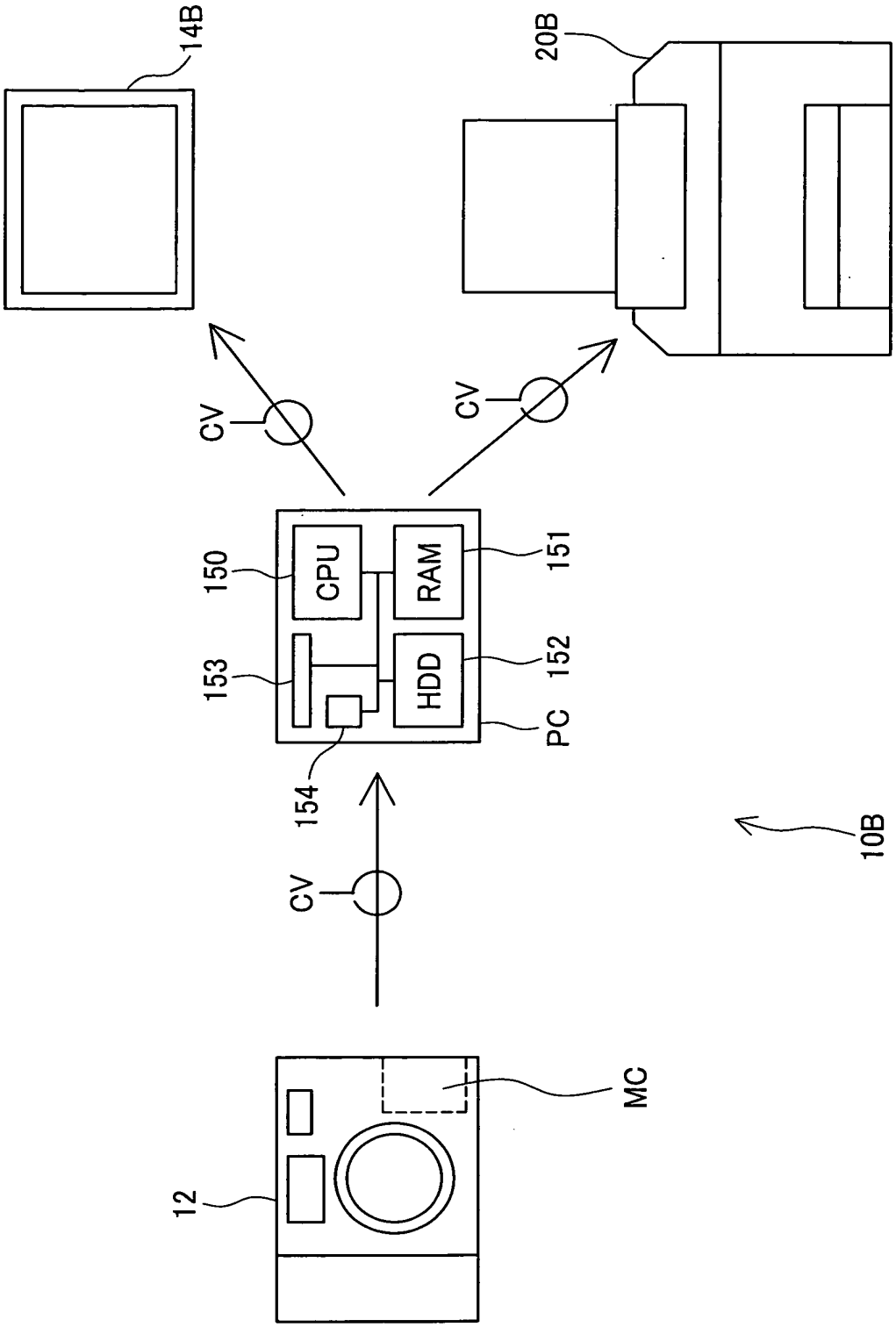


Fig.16